

Amendments to the Specification

Please replace the paragraph beginning on page 3, line 29, with the following rewritten paragraph:

Description **BRIEF DESCRIPTION OF THE DRAWINGS**

Please add the following new paragraph beginning on page 4, line 12:

DETAILED DESCRIPTION OF THE INVENTION

Please replace the paragraph beginning on page 9, lines 1 through 9, with the following rewritten paragraph:

Selecting the four steepest/shallowest electrodes results in clustering (see ~~figure 9~~figure 7). A trade off between uniform distribution and weighting according to slope needs to be made. A factor has been introduced which equals 1 for a perfectly equal distribution, and 0 for total clustering (see ~~figure 10~~figure 8). Multidimensional regression analysis on a group of subjects revealed that speech perception is strongly positively correlated to this factor. Further analysis needs to be made about the distribution of the weight of the different parameters (equal distribution/~~slop~~slope differences) in individual subjects (showing strong slope variability vs homogeneous slope distribution).